Mr. M. C. Linge Gowda of Maddur Taluk to be a member of the Committee relating to the Agricultural Colony in the Irwin Canal Area.

READ—

Government Order No. R. 6721-80—L. R. 245-37-19, dated 22nd May 1940, directing among other matters, the appointment of a Committee consisting of the undermentioned persons to work out the further details and give effect to the scheme for the formation of an Agricultural Colony in the Irwin Canal Area :—

(1) The Director of Agriculture in Mysore (Chairman).
(2) The Deputy Commissioner, Mandya District.
(3) The Secretary, Mysore Sugar Company, Ltd.
(4) The Executive Engineer, Irrigation Division, Mandya.
(5) Mr. B. Venkatanarainappa, M.A., retired Professor of the Central College, Bangalore.
(6) Mr. R. K. S. Mather, Gundlupet.
(7) A Member from Mandya or Maddur Taluk.

2. Letter No. Hc. 768-2239—39-40, dated 30th May 1940, from the Director of Agriculture in Mysore, proposing that Mr. M. C. Linge Gowda of Maddur Taluk may be appointed as a member of the Committee.

ORDER No. R. 7519-73—L. R. 245-37-22, DATED BANGALORE, THE 24TH JUNE 1940.

Government are pleased to sanction the proposal of the Director of Agriculture.

B. T. KESAVIENGAR,
Chief Secretary to Government.

GENERAL SECRETARIAT

Disposal of Vacancies of Clerks falling under Class I consequent on the change of Average Pay.

READ—

Explanations to Rules 5 and 6 of the Revised Rules of Recruitment issued with Government Order No. 6. 105—C. R. B. 1-34-1, dated 3rd July 1934, stipulating that pay in the case of posts carrying progressive scale of pay shall be understood to mean the "Average Pay" as calculated for financial purposes.

2. Government Order No. 773-872—C. R. B. 5-39-1, dated 7th August 1939, passing orders directing that the "Average Pay" mentioned in Explanations to Rules 5 and 6 of the Revised Rules of Recruitment be raised from Rs. 35 to Rs. 45 for purpose of classification of appointments.

3. Letter No. 10, dated 7th May 1940, from the Honorary Secretary, Mysore Non-Gazetted Officers' Association, forwarding copy of Resolution passed at their meeting held on 17th January 1940, bringing to notice certain hardships caused by the application of the provisions of the Government Order of 7th August 1939, read above, and urging that the claims of the graduates in service to their seniority may be preserved.

ORDER No. 7404-7503—C. R. B. 101-39-2, DATED BANGALORE, THE 20TH JUNE 1940.

With a view to minimise hardships caused by the change of "Average Pay" ordered in Government Order, dated 7th August 1939, read above, to graduates recruited through Central Recruitment Board under the Revised Rules of Recruitment, Government are pleased to issue the following instructions for the guidance of all Unit Officers empowered to make appointments :—

1. In filling up vacancies falling under Class I consequent on the change of "Average Pay" preference should be given to graduates in service entertained under the Revised Rules of Recruitment, to new recruits in the Central Recruitment Board approved lists in the order of their seniority, according to classification of vacancies; every appointment so made should be reported to Central Recruitment Board regularly in the form of "E" statement.

2. If there are no graduates in service available for such appointment, the vacancies may be then filled up by appointment of candidates from the Central Recruitment Board approved lists, according to classification, under the Recruitment Rules in force.

J. APPAJI GOWDA,
Secretary to Government,
General Department.

Revised Syllabus for the Hebbal Agricultural School.

READ—

Correspondence ending with letter No. Fa. 157-1006—39-40, dated 4th April 1940, from the Director of Agriculture, forwarding for approval, a revised syllabus and time-table of the Hebbal Agricultural School.

ORDER NO. A. F. 7088-7158—Agri. 112-39-4, DATED BANGALORE, THE 25TH JUNE 1940.

Approved.

The *revised syllabus and time-table annexed to this order will be given effect to from the academic year 1940-41.

(*Printed as Annexure.)

J. APPAJI GOWDA,
Secretary to Government,
General Department.

ANNEXURE.

REVISED SYLLABUS.

In view of the fact that the purpose of the School is to train efficient and intelligent Agriculturists, the syllabus for Agriculture, drawn up by the Sub-Committee is far from satisfactory, as it is hardly calculated to serve the purpose adumbrated above. Going through the details of the syllabus submitted, which is voluminous though often irrelevant to Agriculture, it will be seen that sufficient importance has not been given to some of the salient aspects of Agriculture. The syllabus under consideration is defective in the following respects :—

1. In the present syllabus for Agriculture, teaching of Veterinary Science is contemplated for the I, II and III Year Classes. This long-drawn course is neither sufficient for the candidate to become a Veterinary Inspector, nor useful to him, if he runs his own Farm. Instead a more detailed course in Animal Husbandry will be more useful. As Sir John Russel said: "The more intimate fusion of Agriculture and Live-Stock Husbandry is one of the most useful ways of improving Indian Agriculture."

2. The course of study detailed for Physics, Inorganic Chemistry, Zoology and Elementary Botany during the I Year is practically the same as that which the candidate has already undergone in the S. S. L. C., if not less. Since the candidates selected should have a minimum qualification of a pass in the S. S. L. C. Examination (E. C.), these subjects need not be taught in detail.

3. Any Agricultural Education is valueless unless the candidates work for at least a period of one year on a Farm, run on sound lines, such as the Irwin Canal Farm at Mandya. The course prescribed is defective in this respect. In view of the foregoing remarks, the following alternative syllabus, is proposed with a conspectus of subjects to be studied yearwar :—

FIRST YEAR.

1. *Agriculture.*—Soils and Geology; Physical properties of soils and Agricultural classification; Organic matter in soils; Conservation of soil moisture; Tillage and tillage implements; Agricultural operations; Ploughing, puddling, sowing, interculturing, fall-ploughing, etc.

2. *Climatology.*—Climatic conditions in Mysore; Distribution of rainfall; Effect on Agricultural conditions.

3. *Farming Methods.*—Rotation of crops; Mixed farming; Dry farming; Green manures and green leaf manuring; Farm yard manure; Compost; Disposal of sewage and night soil; Maintenance of soil fertility.

4. *Engineering and Drawing.*—Materials of manufacture; Study of Agricultural implements, indigenous and improved; Machine design.

Practical.—Workshop practice; Carpentry, simple joints; Smithy practice; Manufacture of workshop tools.

Drawing.—Freehand, Sketching, Buildings.

5. *Animal Husbandry.*—(*a*) Animal nutrition; Principles of feeding; Examination of concentrate foods commonly used; Examination of fodder; Practical rationing as applied to field conditions.

(*b*) Different breeds in India; Dairy Beef and draught types; General principles of management.

6. *Agricultural Botany.*—Plant Breeding; Selections; Hybridization classification of plants; Reproduction of plants; Grafting; Budding; Layering.

7. *Form Crops.*—A study of the important crops in the State with reference to distribution, soils and climate; Method of cultivation, cost of cultivation, yield and money return per acre.

SECOND YEAR.

1. *Agricultural Chemistry.*—Elementary Organic Chemistry soil analysis; Soil Chemistry; Soil Biology; Fertilisers; Chemistry in relation to animal nutrition; Constituents of dairy products; Jaggery and Sugar-making. Plot and pot Experiments.

Practical.—Examination of soils, manures, feeds, milk, sugar analysis.

2. *Agriculture.*—(*a*) Irrigation; Sources; Methods; Duty of water; Time and frequency.

(*b*) Water lifts; Cost of lifting water by various methods.

(*c*) Drainage; Necessity for drainage; Kinds of drains; Draining low lying places.

(*d*) Alkalinity; Cause; Reclamation of alkaline lands.

3. *Dairying.*—Management; Feeding rations of cows and buffaloes; Dairy products, their composition and marketing; General Dairy herd management; Application of genetics to the problem of breeding for milk; Calf-rearing; Daily records and system of recording; Early maturity and its influence on pedigree breeding.

4. *Mycology.*—Diseases of crops in Mysore; Bacteria in relation to plant diseases; control measures.

Practical Work.—Laboratory work and Field work.

5. *Entomology.*—Classification of insects; Pests of crops in Mysore; Control measures; Bee-keeping.

Practical Work.—Laboratory work and Field work.

6. *Veterinary Science.*—General principles of Veterinary hygiene; Common diseases of cattle, sheep and poultry; Preventive and curative measures.

Practical.—Hospital practice.

7. *Live-Stock.*—(*a*) Sheep Breeding; Flock management and production of wool; Skins and Hides.

(*b*) Poultry Farm management; Practical poultry farming and its industrial aspect.

(*c*) Principles of breeding; Applied genetics in relation to poultry farming and to cattle and sheep.

Practical work will consist of work in the herd on the Hunsur Cattle Breeding Station in the Poultry Farm at Hebbal together with observations of fodder crops.

8. *Agricultural Engineering.*—Engines and other motive powers; Irrigation and drainage; Roads and fences; Agricultural machinery; Estimating; Workshop practice.

THIRD YEAR.

1. Practical course for one year on the Irwin Canal Farm. The students will be given the opportunity to conduct Farm operations, each student being given a block for work.

2. Construction of Jaggery boiling furnace; Jaggery boiling.

3. Flue curing of tobacco.

4. *Farm Economics.*—Land, Labour, Capital, Farm Organisation and Management; Farm accounts; Cost of equipment, Estimating results.

Methods of storage and marketing.

TIME TABLE FOR I YEAR CLASS.

Sl. No.	Week Days	7-30 to 11-30 A.M. Practicals	1 to 1-45 P.M.	1-45 to 2-30 P.M.	2-30 to 3 P.M.	3 to 3-45 P.M.	3-45 to 4-30 P.M.
1	Monday ...	Field-work ...	Agriculture (Soils)	Animal Husbandry	Leisure	Agricultural Botany (Theory and Practical)	
2	Tuesday ...	Field-work ...	Animal Husbandry	Agriculture (Tillage)		Animal Husbandry	Agriculture (Geology)
3	Wednesday ...	Field-work ...	Agriculture (Soils)	Animal Husbandry		Agriculture (Tillage)	Engineering
4	Thursday ...	Engineering (Workshop)	Agriculture (Geology)	Animal Husbandry		Agriculture (Climatology)	Animal Husbandry
5	Friday ...	Animal Husbandry	Agriculture (Animal Husbandry)	Agriculture (Tillage)		Engineering ...	Agriculture (Soils)
6	Saturday ...	Agriculture Field-work	...	...		...	

N.B.—In the II term, Geology and Climatology will be replaced by Farming methods and Farm Crops.

TIME TABLE FOR II YEAR CLASS.

Sl. No.	Week Days	7-30 to 11-30 A.M. Practicals	1 to 1-45 P.M.	1-45 to 2-30 P.M.	2-30 to 3 P.M.	3 to 3-45 P.M.	3-45 to 4-30 P.M.
1	Monday ...	Live-Stock and Dairying	Live-Stock and Dairying	Agriculture ...	Leisure	Entomology—Theory and Practical	
2	Tuesday ...	Agriculture Field-work	Agriculture ...	Live-Stock and Dairying		Agriculture ...	Live-Stock and Dairying
3	Wednesday ...	Field-work ...	Veterinary ...	Engineering ...		Chemistry—Theory and Practical	
4	Thursday ...	Live-Stock and Dairying	Veterinary ...	Engineering ...		Live-Stock and Dairying	Agriculture
5	Friday ...	Agriculture Field-work	Agriculture ...	Live-Stock and Dairying		Mycology—Theory and Practical	
6	Saturday ...	Agriculture Field-work	...	...		...	...

TIME TABLE FOR III YEAR CLASS.

Practical training at the Irwin Canal Farm for one year.

Sl. No.	Week Days	Morning	Afternoon
1	Monday	...	Practical Agriculture (Field-work)
2	Tuesday	...	do
3	Wednesday	...	do
4	Thursday	...	do
5	Friday	...	do
6	Saturday	...	do